

Occurrences of two *Epicauta* species in Asia with some notes (*Coleoptera, Meloidae*)

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Within the frame of the Cesa Project entitled *Entomofauna of Old World* (EOW)¹, the following *Epicauta* species are reported from Küçükkuşay, Tekes (Uighur Ili)², and Chiang Rai (North Thailand).

Epicauta Redtenbacher, 1845

Epicauta Redtenbacher 1845, Gatt. dtsch. Käfer-Fauna, 133.

***Epicauta waterhousei (Haag-Rutenberg, 1880)* (Fig.1) (Map 1)**

This species is distributed in Thailand, Taiwan, etc. and recorded as pest on groundnut, soybean, eggplants, tomato, and slender amaranth (*Amaranthus viridis*). In Thailand it is known in Central and Northeast provinces. The present record from the vicinity of Chiang Rai, Huay San 530m, is based upon the authors expedition on 29 April, 2006 in North Thailand.

The adult of this species is easily recognized by its dull black elytra with a greyish longitudinal stripe, extending from humeral angle towards apex of elytron, and red head without black dorsal markings.

¹ Announcement of Entomofauna of Old World.- *Cesa News* 31: 8.

² The territory of Uighur Ili is currently recognized politically by P.R.C. as Uighur Autonomous Region. In our scientific publications, this territory is defined geographically as Uighur Ili (means Uighur country), where the Uighur people live. See also <http://acronyms.thefreedictionary.com/Lepidoptera+of+Uighur+Ili> - http://tr.wikipedia.org/wiki/Do%C4%99Fu_T%C3%BCrkistan_Cumhuriyeti



Fig. 1- *Epicauta waterhousei* from Thailand, Chiang Rai, Huay San 530m, 29 4 2006, photo M.Kemal (Cesa)

***Epicauta erythrocephala* (Pallas,1771) (Figs.2-4) (Map 1)**

Meloe erythrocephalus Pallas, 1771, Reise durch verschiedene Provinzen des Rußischen Reichs 1: 466, nr.46.
Type(s): Russia: Volga [see fig.3]

This species was described and named by Pallas in 1771. In some recent publications, date of the publication of *erythrocephala* was reported erroneously as “1776” or “1781”.

Incorrect attributions to the date of publication of *Epicauta erythrocephala* Pallas are given below:

Epicauta erythrocephala (Pallas,1776) by Özbek & Szaloki (1998:34)³
erythrocephala Lytta (Pall.), J. C. Fabricius, Species Insectorum I (1781), 329. -
http://www.sil.si.edu/digitalcollections/indexanimalium/TaxonomicNames/IA_Namesearch.cfm
Epicauta erythrocephala Pallas, 1781: http://species.wikimedia.org/wiki/Epicauta_erythrocephala
Epicauta erythrocephala - (Pallas, 1781): http://zipcodezoo.com/Animals/E/Epicauta_erythrocephala/
Epicauta erythrocephala (Pallas, 1776): <http://szmn.sbras.ru/Coleop/Meloidae.htm>
Epicauta erythrocephala (Pallas, 1776): <http://www.sopsr.sk/istb/index.php?p=20&c=A&o=v>
Epicauta erythrocephala (Pall., 1776): <http://www.zin.ru/Animalia/coleoptera/eng/epierybo.htm>
Epicauta erythrocephala (Pallas,1781): <http://www.galerie-insecte.org/systematique/index.php?liste=ListeColeo&seq=96>

In the first volume of his famous work published in 1771 entitled “Reise durch verschiedene Provinzen des Russischen Reichs” (Fig.2), Pallas described this species from Volga, on page 466, with the name combination “*Meloe erythrocephalus*” (Fig. 3).

³ Özbek & Szaloki,1998, A contribution to the knowledge of the Meloidae (Coleoptera) fauna of Turkey along with new records.- Tr. J. Zool. 22: 23-40 (Tubitak).



Fig. 2 - Title page of the first volume, *Reise durch verschiedene Provinzen des Russischen Reichs* published in 1771, where original description of “*Meloe erythrocephalus*” published by Pallas.

466. **Anhang**

Insecta. *466.* *Meloe erythrocephalus*.
Varietas distinctior est: *Elytra* grisea, macula cuiusvis longitudinali ad basin prope marginem exteriorem punctata insuper nigra, primum solitaria, hinc bina, et versus apicem ternata, quorum duo interiora minuta. *Limbus* apicis elytrorum niger. Constand naturae lulus, promiscue cum specie in variis floribus lectus, ad Volgam.

45. ATTELABVS bimaculatus.
Forma praecedentis, oblongior, *Magnitudo* dimidiat. Tota e nigro-cyanea, nitidissima, fuscaque lanugine pubescens. Macula in singulo elytro irregularis, oblonga fulua versus apicem interius. Cum praecedente, *Meloe Cichorii* et affinibus ob antenas et habitum adiiciendum Attelabis Insectum. In floribus Euphorbiae non infrequens.

46. MELOE erythrocephalus.
Magnitudo et forma Meloës. vesicatorii; Niger, subfuscans. *Caput* rubrum, oculis, macula verticis, ore, antennisque nigris. *Elytra* nigra, sutura, limbo, laterali, et fascia media longitudinali coerulescenti-alba. Ad Volgam in floribus passim.

47. GRYLLVS muricatus (Locusta).
Major saepe Grylio obscurè et crassior, sed brevior eodem. *Thorax* crassus, pentagonus, obsolete carinatus, totus

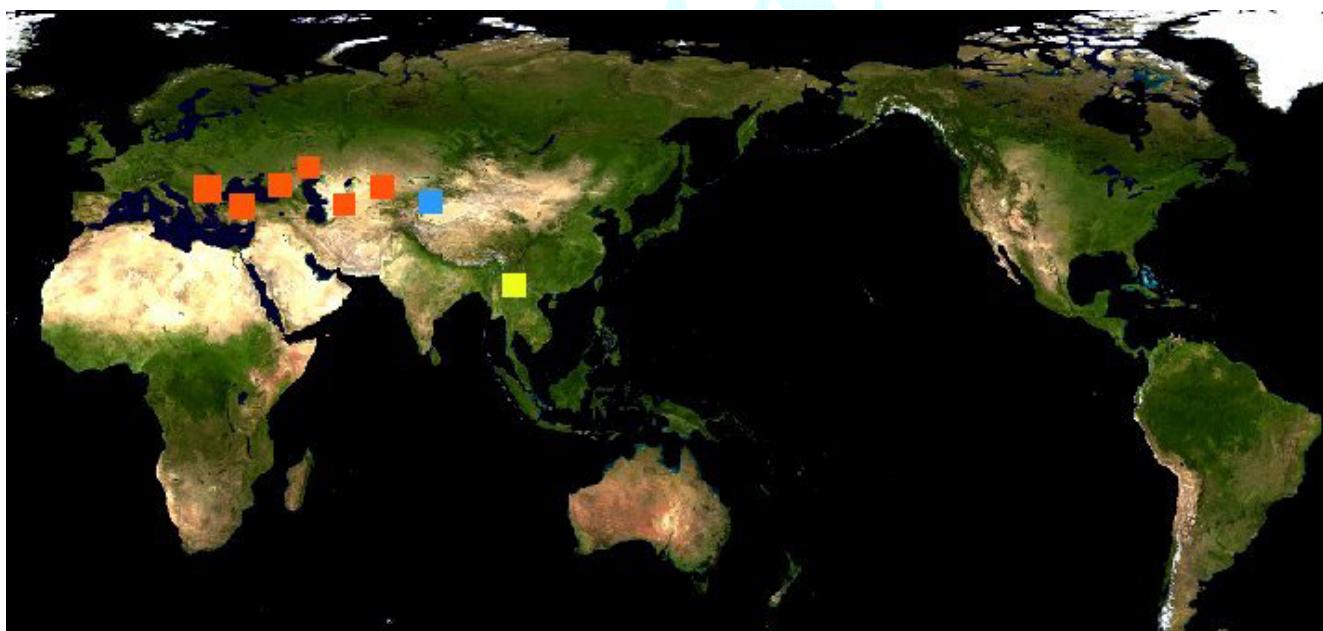
Fig. 3 - Original description of “*Meloe erythrocephalus*”, published by Pallas in 1771, *Reise durch verschiedene Provinzen des Russischen Reichs* 1: 466, nr.46.



Fig. 4- *Epicauta erythrocephala* from Uighur Ili, Tekes, Küçükkuşta 1800m, 10 8 2005, photo M.Kemal (Cesa)

This species is known from Bulgaria, Turkey, Caucasus, and South Russia (Kaszab, 1952⁴; Özbek & Szaloki, 1998); Uzbekistan, Kazakhstan⁵. The present faunal information is based upon the material recorded in Uighur Ili, Tekes, Küçükkuşta 1800m, 10 8 2005 by the authors. This species is apparently new to the fauna of Uighur Ili.

The adult of this species resembles to the previous one, but easily distinguishable from it by the presence of the median black stripe on the head, and greyish median stripe on the pronotum.



Map 1- Distributions of two *Epicauta* species: Yellow square indicates the locality Chiang Rai in northern Thailand for *Epicauta waterhousei*; red squares show previous records of *Epicauta erythrocephala*, blue square shows new record in Uighur Ili.

⁴ Kaszab, Z., 1952, Die palaearktischen und orientalischen Arten der Meloiden Gattung *Epicauta* Redtb. – Acta Biol. (Budapest) 3: 573-599.
⁵ <http://szmn.sbras.ru/Coleop/Meloidae.htm>



Announcement of the Short Documentary Films of the Cesa

Within the publication program of the Cesa, the following issues of the *Iconographia Insectorum* (Series A) and *Iconographia Arachnidorum* (Series A) were published.

The titles of the Mpeg films and their URL addresses are as follows:

Acraea natalica in Butterflies of South Africa (September 3, 2008)

Life of butterflies at Medike in Soutpansberg Mountains. *Acraea natalica* during feeding nectar on the flower, mpeg2, 0.39 minutes.

by Muhabbet Kemal

<http://www.archive.org/details/AcraeaNatalicaInButterfliesOfSouthAfrica>

Biodiversity of Soutpansberg Mountains, the South Africa I. Butterflies, Behaviours of some Acraea species (September 25, 2008)

Behaviours of some *Acraea* species. *Iconographia Insectorum* (Series A) A Documentary Video Records in Nature for Scientific Purpose by the CESA, mpeg2, 3.45 minutes.

by Muhabbet Kemal & Ahmet Ö.Koçak

<http://www.archive.org/details/BiodiversityOfSoutpansbergMountainTheSouthAfricaI.Butterflies>

1. A hunting Camel Spider at Catak, Van Province, East Turkey (Galeodidae, Solifugae).

Behaviours in the night.

Iconographia Arachnidorum Series A (Nr.1) by the Cesa (October 8, 2008), mpeg2, 2.09 minutes.

by Muhabbet Kemal

<http://www.archive.org/details/IconographiaArachnidorumSeriesAByTheCesa>

2. A Camel Spider at Kemaliye, Erzincan Province, East Turkey (Galeodidae, Solifugae).

Behaviours in the night.

Iconographia Arachnidorum Series A (Nr.2) by the Cesa (October 9, 2008), mpeg2, 2.06 minutes.

by Muhabbet Kemal

<http://www.archive.org/details/IconographiaArachnidorumSeriesAnr.2ByTheCesa>

A Firefly at Mon Long Summit (December 21, 2005)

<http://www.archive.org/details/AFireflyatMonLongSummit>

A short film on the behaviour of a lampyrid species (*Coleoptera*), during a short visit to a view point of Doi Suthep (Mon Long Summit), Chiang Mai, North Thailand, mpeg2, 5.32 minutes.

by Muhabbet Kemal

This film is also a part of the scientific project of the Cesa entitled Entomofauna of the Old World (EOW)



Announcement on the forthcoming electronical publications of the Cesa

Taking the recent progresses on the electronical publications in the Zoology (see ICZN- Zootaxa 1908: 57-67, 17 October, 2008) into consideration, the status of the scientific serials and other publications of the Cesa should be updated.

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¹¹ http://www.metafro.be/Members/Cesa/internet_sayfas305/base_view - pdf available

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